

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2007

DateRun: 09/26/2007

Experimenters: Shweta Bansal

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Oil

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.
Cleaning: 5 min.
Immersion Soak cleaning at 130 F with stir-bar agitation.
Rinsing with Tap Water
Drying: 30 sec Air blow off using hose and outlet on bench
Contaminant Soybean
Substrate 2"x 4"x 0.06" Aluminum Coupons

Results:

Summary:

| | | | | | |
|-------------------------|------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Aluminum | | | | |
| Contaminants: | Oil | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Gemtek Products | SC Supersolve Safety Solvent | 5 | 94.62 | <input checked="" type="checkbox"/> | |
| Valtech Corporation | Valtron SP 2275 | 5 | 93.99 | <input checked="" type="checkbox"/> | |
| Magnaflux | Daraclean 235 | 5 | 84.08 | <input type="checkbox"/> | |
| 21st Century Composites | Envirosolve | 5 | 96.77 | <input checked="" type="checkbox"/> | |

Conclusion: Oil was left on the coupons for SC Supersolv, Valtron SP 2275 and Daraclean 235 and dripped off while drying them but there was almost no oil on the coupons used for Envirosolve.